M PTO-1449 U.S. DEPARTMENT OF COMMERCE ev. 2-32) PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.	SERIAL NO.
294-253 PCT/US	10/579,614
APPLICANT	CONFIRMATION NO.
de Jong, et al.	Unassigned
FILING DATE	GROUP
May 17, 2006	Unassigned

FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB CLASS	LING DATE PPROPRIATE		SUB CLASS	CLASS	NAME	DATE	DOCUMENT NUMBER		EXAMINER INITIAL
FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT DATE CLASS SUB CLASS FILIFAR FOREIGN PATENT DOCUMENTS CLASS CLASS OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) COUNTRY OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Fouchier, et al., "A previously undescribed excensive associated with red disease in humans," Proceedings of the National Academy of Sciences of the States of America, vol. 101, no. 16, pps. 6212-6216 (2004).									
FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB CLASS TI YES OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Foughier, et al., "A previously undescribed coronavirus associated with rord disease in humans," Proceedings of the National Academy of Sciences of the States of America, vol. 101, no. 16, pps. 6212-6216 (2004).			<u> </u>	S	ATENT DOCUMENT	U.S. PA			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Fouchier, et al., "A previously undescribed coronavirus associated with roc disease in humans," Proceedings of the National Academy of Sciences of the States of America, vol. 101, no. 16, pps. 6212-6216 (2004).	LING DATE PPROPRIATE			CLASS	NAME	DATE			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Fouchier, et al., "A previously undescribed coronavirus associated with roc disease in humans," Proceedings of the National Academy of Sciences of the States of America, vol. 101, no. 16, pps. 6212-6216 (2004).									
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Fouchier, et al., "A previously undescribed coronavirus associated with roc disease in humans," Proceedings of the National Academy of Sciences of the States of America, vol. 101, no. 16, pps. 6212-6216 (2004).				ıma	I D A STELLER D O CHILD COL	nonnto.		L	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Fouchier, et al., "A previously undescribed coronavirus associated with red disease in humans," Proceedings of the National Academy of Sciences of the States of America, vol. 101, no. 16, pps. 6212-6216 (2004).				VIS	PATENT DOCUME	FOREIGN			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Fouchier, et al., "A previously undescribed coronavirus associated with red disease in humans," Proceedings of the National Academy of Sciences of the States of America, vol. 101, no. 16, pps. 6212-6216 (2004).	RANSLATION	TRAI		CLASS	COUNTRY	DATE		.	
disease in humans," Proceedings of the National Academy of Sciences of the States of America, vol. 101, no. 16, pps. 6212-6216 (2004). Valuet noek, et al., "Identification of a new human coronavirus," Watere	5 NO	YES	CLASS			333,,,,,	NUMBER		
disease in humans," Proceedings of the National Academy of Sciences of t States of America, vol. 101, no. 16, pps. 6212-6216 (2004).	;								
Fouchier, et al., "A previously undescribed coronavirue associated with red disease in humans," Proceedings of the National Academy of Sciences of t States of America, vol. 101, no. 16, pps. 6212-6216 (2004). Van Der noek, et al., "Identification of a new human coronavirus," Watere		Eta \	mt Dogge	to Douting	dina Andhan Tida Da	ENITE (I1	ED DOCLINE	OTH.	
disease in humans," Proceedings of the National Academy of Sciences of t States of America, vol. 101, no. 16, pps. 6212-6216 (2004).		Eic.)	ent Pages,	te, Pertine	iding Author, Title, Da	en 18 (Inclu	ER DOCUME	OTH	
States of America, vol. 101, no. 16, pps. 6212-6216 (2004). Vali per noek, et al., "Identification of a new human coronavirus," Watare	ebitaton/	with respir	ececiated~v	*************	previously-undeseribed-eo	i binakoahiinii) Ank	Fouchie		.00000000000000000000000000000000000000
van der noek, et al., "Identification of a new homan coronaviros," <i>Watore</i>									
					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
	on of the control of			h	negoniti Senhaganatah Stanganhi panganan Granganan				000000000000000000000000000000000000000
	h	-645-1	DAIA	_					
Thicl, et al., "Infectious RNA transcribed in vitre from a eDNA sepy of the coronavirus genome cloned in vaccinia virus," Journal of General Virology,	, Society For	'irology, Sc	General Vi	Journal of	e cloned in vaccinia virus.	latectic virus genome	corona	000000000000000000000000000000000000000	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

docs not provided

EXAMINER /Stacy B. Chen/

DATE CONSIDERED

06/16/2009

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.

(Rev 2-32)

FOR PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

> INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.	SERIAL NO.
294-253 PCT/US	10/579,614
APPLICANT	CONFIRMATION NO.
de Jong, et al.	Unassigned
FILING DATE	GROUP
May 17, 2006	Unassigned

	_		ОТ	HER DO	CU.	MENTS (Including Author, Title, Date, Pertinent Pages, Etc.) (Cont.)
	docs	not	pro	videc		
<u>`</u>		0000000000000000	00000000000	000000000000000000000000000000000000000	0000000000	Thiel, et al., "Human coronavirus 220E, complete geneme," retrieved from EBI database accession no. AF304460.
000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	>00000000000000000000000000000000000000	00000000000	Kocherhans, et al., "Completion of the porcine epidemic diarrhea coronavirus (PEDV) genome sequence," Virus Genes, vol. 23, no. 2, pps. 137-144 (2001).
	_					
000000000000000000000000000000000000000	-		0000000000	000000000000000000000000000000000000000	000000000	Database EMBL, April 26, 2001, Database occession No. AF353511.
***************************************	***************************************	***************************************		***************************************		Chagnon, et al., "Characterization of the expression and immunogenicity of the ns4b protein of human coronavirus 229E," Canadian Journal of Microbiology, vol. 44, no. 10,
	-					pps. 1012-1017 (1998).
***************************************		*************	***************************************			Reta, et al., "Characterization of a nevel coronavirus associated with severe acute respiratory syndrome," Science, American Association for the Advancement of Science, US, vol. 300, no. 5624, pps. 1394-1399 (2003).

EXAMINER /Stacy B. Chen/

DATE CONSIDERED

06/16/2009

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.